

# EQUALIZER NEGATIVE SLOPE

**2.0 - 8.0 GHz  
FIXED**



MODELS: EQ1102-XX

## SPECIFICATIONS:

### Electrical:

Frequency Range \_\_\_\_\_ 2 - 8 GHz  
 Response Shape \_\_\_\_\_ Negative Slope  
 Insertion Loss @ 8 GHz:  
 3 - 4 dB \_\_\_\_\_ 0.75 dB  $\pm$ 0.60 dB  
 5 - 6 dB \_\_\_\_\_ 0.75 dB  $\pm$ 0.75 dB  
 7 - 10 dB \_\_\_\_\_ 1.0 dB  $\pm$ 1.0 dB  
 11 - 15 dB \_\_\_\_\_ 1.0 dB  $\pm$ 1.5 dB -1.0 dB  
 Amplitude @ 2.0 GHz \_\_\_\_\_ 3 to 15 dB  
 (Relative to loss at 8 GHz)

### Linearity:

3 - 4 dB \_\_\_\_\_  $\pm$ 0.60 dB  
 5 - 6 dB \_\_\_\_\_  $\pm$ 0.75 dB  
 7 - 10 dB \_\_\_\_\_  $\pm$ 1.0 dB  
 11 - 15 dB \_\_\_\_\_  $\pm$ 1.5 dB

### VSWR:

Input/Output \_\_\_\_\_ 1.80:1 Max.

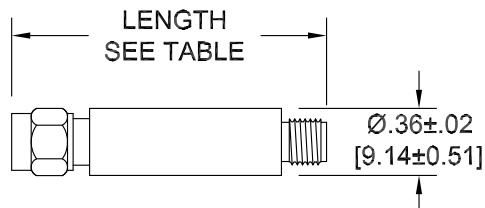
### Mechanical:

Housing \_\_\_\_\_ Passivated Stainless Steel  
 SMA Connectors \_\_\_\_\_ Passivated Stainless Steel  
Mates with MIL-STD-348  
 Conductors \_\_\_\_\_ Gold Plated Beryllium Copper  
 Temperature Range:  
 Operating \_\_\_\_\_ -50°C to +90°C  
 Non-Operating \_\_\_\_\_ -55°C to +100°C

For Epoxy sealed Connector add -440 to Model Number

Model Number: EQ1102-XX

### SMA CONNECTORS



| Connector Configuration | OVERALL LENGTH                        |
|-------------------------|---------------------------------------|
| Male/Female             | 1.69 $\pm$ 0.05<br>[42.93 $\pm$ 1.27] |
| Male/Male               | 1.81 $\pm$ 0.05<br>[45.97 $\pm$ 1.27] |
| Female/Female           | 1.56 $\pm$ 0.05<br>[39.62 $\pm$ 1.27] |

See Website for Typical Performance Graphs and Application Notes

## HOW TO ORDER:

Model Number: EQ1102-XXY-**ZZZ**

440 = Epoxy Sealed Connectors.  
 Connector Configuration  
 = Male/Female  
 F = Fem/Fem  
 M = Male/Male

dB Value

### Ordering Examples:

Model Number: EQ1102-03  
 3 dB; SMA - Male/Fem

Model Number: EQ1102-15F  
 15 dB; SMA - Fem/Fem

Model Number: EQ1102-06-440  
 6dB; SMA - Male/Fem; Epoxy Sealed

Note: Dimensions in Brackets are Expressed in Millimeters and are for Reference Only.

Design specifications are subject to change without notice.

Contact factory for technical specifications before purchasing or use.

EQ1102-XX; REV B

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